Washington Utilities and Transportation Commission Intrastate Propane/Air Peak Shaving System Inspection Guide and Report – Form E

Inspection ID: __2672_

Operator Name: Puget Sound Energy (PSE)
Company Official Name: Ms. Booga Gilbertson (VP Operations)
Address: P.O. Box 90808 M/S PSE-12N
City: Bellevue WA 98009-0868
Telephone: (425)462-3696
FAX: Emergency: (800) 552-7171
District or Division Office Inspected
Name: D.W. Swarr Propane-Air Plant
Address: 2100 Benson Drive South
City: Renton WA 58055
Telephone: (253)395-6995
Operator Representative Name and Title: Darryl Hong, PSE, Compliance Program Coordinator Name and Title:
WUTC Representative Name and Title: Name and Title: Name and Title:
Inspection Dates <u>July 22-26, 29-31, 2013</u>
Date of Last Inspection March 2010

Amendments 192-87, 192-82, 192-88

PROPANE SYSTEM HISTORY

Age (F	Range)	: <u>1965, 1974, 1996</u>	Size (Range):	2-inch to 10-inch
Materi	ial Type	e: Steel A-106B	Specifications:	A-106B Seamless
Miles	of Main	: <u>0</u>	Number of Service	es: <u>0</u>
Numb	er of Le	eaks (Main): N/A	_ (Service): <u>N/A</u>	
Leaks	Sched	uled for Repair: <u>5 existing/ 5 new</u>	v (Above Ground Pipi	ng Only)
Unacc	counted	l for Gas: <u>negligible</u>	<u> </u>	
Period	d Endin	g: Monthly Inventory Reports		
Pipelir	ne Clas	s locations: Class 3		
Numb	er of G	as Department employees: <u>Fou</u>	ır (4) total	
Propa	ne Sup	ply Company: <u>Turner Propane 8</u>	& Ferrel Gas	
<u>REPO</u>	RTING	REQUIREMENTS		
1.	(191.5	nonic notice of incidents and writt , 192.615 & WAC 480-93-200 & incidents during time frame.		
2.	& 200	ll Gas Distribution reports filed wi & 191.11) A – The Propane Air Plant is not	·	•
3.	010, 8	r-related conditions reports filed v 200) A – No Incidents	with WUTC as require	ed? (191.11, 480-93-
4.	93-183	ne and system pressure reports f 3 200 o pressure measurements above		equired? (WAC 480-
	a.	Which exceed the established MNo - None	/IAOP?	
	97. c.	When raising pressure above 25No - None When raising pressure above 50No - None		

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	d. When pressure drops below a safe operating condition?No - None
	e. When a pipeline (250 psig or more) is taken out of service?No-None/No pipeline taken out of service.
	<u>Liquefied Petroleum Distribution Systems</u> <u>PART 192 & NFPA 59</u>
gas sy utility cover	nal Fire Protection Association (NFPA) applies to utility Liquefied Petroleum (LP) stems to the point where LP-Gas or a mixture of LP-Gas is introduced into the distribution system as required by NFPA 59. Title 49 CFR 192 and WAC 193 those portions of the LP Gas systems downstream of the unloading equipment, iners, vaporizer, and interconnecting piping.
	ations that have storage containers with an equivalent water capacity of 4000 gals will conform to NFPA 58 Standard.(PSE Sumner Only)
	GENERAL PROVISIONS
5.	Are employees trained annually in handling, transferring, and operating procedures for LP Gas and are training documents available? (NFPA 59 2004 4.1) Yes, reviewed training records.
	LP-GAS ODORIZATION
6.	Is the gas odorized to 1/5 LEL? (NFPA 59 2004 4.1) (PSE GOS 2650.1000 §3.1.2 GFP 4675.1000) Yes, ISMELL 1000 is used to confirm odorant is present and in the correct quantity. 1 lb methyl mercaptin
7.	Are procedures available for odorization? (192.625) Yes, GOS 2650 .1000 Field 4675.2000 they normally odorize when the levels from the ISMELL do not come up.
8.	Chemical properties or brand name?Ethyl Mercaptine
9.	Odorization method?
	They buy product (propane) already odorized.
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10.	Operator conducted periodic sampling?Yes, monthly three (3) tanks and verified records also they test the product in tanks for adequate odorant.(ISMELL 1000, see #6 above)
detect	Gas must be odorized by the addition of a warning agent of such character that they are able, by a distinct odor, down to a concentration in air of the lower limit of flammability. Propane flammability range of 2.2 to 9.5% gas in air.
11. ´	Are containers and equipment protected from damage from vehicles by posting warning signs, devices, barricades, or other means? (NFPA 59 2004 4.4) (EOP p. 28)
	Yes, bollards, jerry walls, and crash gates are properly positioned.
12.	Is there adequate lighting that will provide illumination to the operating facilities for walkways, essential control valves, and loading and unloading facilities? (NFPA 59 2004 4.6) Yes, Area is well lit.
13.	Is smoking and non-process ignition sources within the protective enclosure prohibited? (NFPA 59 2004 4.8.1) Yes, Safety & Informational Handout § 25 p.111 & Appendix C O&M 25.7,
	25.7.1, 27.4.1, Appendix F Tailgate Meeting Form
14.	Is smoking permitted only in designated and properly signposted areas? (NFPA 59 2004 4.8.2)
	Yes smoking only permitted outside SW of engine building. Appendix C – Safety and Informational Handout O&M (see above O&M 25.7)
15.	Are vehicles and other mobile equipment that constitute potential ignition sources prohibited within diked areas or within in 50 ft (15 m) of containers of LP-Gas? (NFPA 59 2004 4.8.4
)	Note: An exception for vehicles specifically authorized and under constant supervision or where loading or unloading at facilities specifically designed for that purpose. Yes, (EOP 3.1.1.4) (O&M 18.6.4, 25.5, 2.5.3)
16.	Is fixed electrical equipment and wiring installed in accordance with NFPA 70: (NFPA 59 2004 4.5.2.2*, 4.5.2.4) Yes, Installation in 1996 per code.

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17.	Has annual training for persons that are responsible for the LP systems on (NFPA 59 2004 4.1, 13.1.4, 13.7.1, 13.1.1.8*): (O&M Appendix B, Training
	Modules, (Appendix G, Sec. 5.2), (EOP, 4.6, p. 25)
	☐ The safe handling of LP
	□ Properties of LP □
	Operating LP equipment
	□ Records maintained □ Records ma
18.	Is there suitable protective clothing and equipment available that would protect against the effects of frostbite and cold refrigerants? (NFPA 59 2004 10.8.1, 13.7.4, 13.7.5, 13.7.6, 13.7.7) Yes, visually inspected PPE (EOP 4.7, 4.7.1, 5.3.3) (O&M 35.3,
	Appx. F, Job Hazard Analysis)
19.	Are self-contained breathing apparatus provided for those employees who may be required to enter an atmosphere that could be injurious during an emergency? (NFPA 59 2004 13.7.8, 13.7.9)
	No – Plant personnel will isolate but PSE Emergency Response Truck and Fire Department would perform any firefighting function.
	<u>CONTAINERS</u>
20.	Are containers located outside of buildings? (NFPA 59 2004 5.4) NFPA definition 3.3.2 for containers, all containers for LPG are outside any buildings.
21.	Are containers designed, constructed, and tested in accordance with ASME Boiler and Pressure Vessel Code Section VIII "Rules for Construction of Unfired Pressure Vessels"? (NFPA 2004 5.1.1)
	1965 was the west bank of tanks, 1974 on the east bank of tanks.
22.	Are Data Report Forms U or Form U-1A available (ASME Section VIII) (NFPA 2004 5.3)
	Verified name plates to U1A Board Numbers
23.	Do containers have an accessible nameplate? (NFPA 59 2004 5.3) Verified that the Name Plates were visible or transferred to above ground plates.
24.	Are containers marked for use: Check data plate for "underground use?" I:\PIPESAFE\NAT-GAS\PROPANE\PSE\2013\ID 2672 - Standard (Propane Peak Shaving)\Form E - Intrastate Propane-Air Peak Shav (Rev.8-29-02).doc

	X BELOW GROUND CO	ONTAINER	oveground
25.	Water capacity in gallon Total 1,492,800 Gal	U.S. Standard 4@28	3350, 9@86600, 20@30000
	Pressure in psigN	IAOP 250 PSIG.	
	With the outside surface	e area in square feet	
	Tanks 7-10 SA 2050, Ta	anks 11-19, SA 4408, T	anks 20-39 SA 1685.
Wordi	of Tanks 11-19 215	PSIG, Tanks 20-39	ving a vapor pressure in excess 175 PSIG, (Tanks 7-10 do not r matches U1A) PSIG at 100
			lled at temperatures between 20 anks to 85%, at 130 F they can
Abov	<u>eground</u>		
26.	Are horizontal abovegrosteel supports? (NFPA supports, all aboveground	59 2004 5.5.1.2)	ed on solid masonry, concrete, or concrete.
27.	for expansion and contr		•
28.	2004 2-5.1.4)	ct with the saddles prote	cted from corrosion? (NFPA 59 iners
29.	2004 2-5.1.5s)	· und facilities that carry L	PG are painted and below Protection.
30.	Are containers located a with the gas plant, as fo	a minimum distance awa	ay from buildings, not associate able 5-4.1.2)
	Container Size	Minimum Distance	Between Containers
	2,001 to 30,000 gal	50 feet	5 feet (NFPA 59 Table 5-4.1.2)

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	30,001 to 70,000 gai	751661	adjacent containers.
31.	Are there multiple above table 5-4.1.3) N/A – Only one ve		a single location? (NFPA 59 2004 n 2000 gallons.
32.	How many containers a <i>Note: see Table 2-4.1.3 for</i> Are there groups of containers	separation of groups of 6	
	N/A – Only one vertical	tank with a volume le	ss than 2000 gallons.
34.	What type of fire protec Note: See Table 2-4.1.3 for	•	on
		drants 🗌 F	Fixed Monitor Nozzles
	☐ Fixed Water Spray	II	nsulation per 10-5.4.1
35.	containers in one group	, what is the fire prote	ip? If there are more than 6 ection (NFPA 59 2004 5-4.1.3): ume less than 2000 gallons.
36.	Note: Containers shall be li	mited to 9 containers at a	p? (NFPA 59 2004 5-4.1.3) a single location. volume less than 2000 gallons.
37.	ground container? (NFF	PA 59 6-3.1)	feet above the top of the above me less than 2000 gallons.
<u>Unde</u>	rground		
38.	container? (NFPA 59 2		or weeds within 25 feet of any chapter 28 §2.2, 28 §2.2.4] s around tanks
39.			the nearest important building or that can be built upon? (NFPA 59

75 feet

1/4 of the sum of diameters of

30,001 to 70,000 gal

2004 5.4.2.4 (1), (2))

No buildings within the restricted area.

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40.	Has the container relief valve been sized to meet the requirements of NFPA 59 Appendix E Table E-1- Annex D Table D-1 or other standard? (NFPA 59 2004 6.8.2, 10.2.3, 10.2.5) Relief VALVES have enough capacity as shown in Manufacturing Tech book for Part# A3149MG Yes, reviewed formula and manufacturers CFM ratings.
	PIPING, VALVES, AND EQUIPMENT
41.	Pipe specification _ ASTM A106 Grade B Schedule 40 and 80 seamless pipe
42.	Valve specificationANSI 300 flanges and Jamesbury ball valves.
43.	Hose connection specificationN/A – Tanker trucks bring their own hoses for transfer/offload. They do a visual check per Procedure 4.3, Truck Loading and Unloading Procedure Checklist 18.1.5.
44.	Does all piping conform to NFPA 59? (NFPA 59 2004 7.1.1.1) List the pipe standards to which it was manufactured. In 1996 valves and piping were brought up to standards of ASME B31.3 and put back INTO SERVICE.
45.	Are pipeline installed to provide for expansion, contraction, jarring, vibration, and settling without damage?(NFPA 59 2004 7.1.8*) Yes, Field verified with Greg L that the Drawing #5161 s2, s4, "Tank Piping Anchor Supports " Drawing.(AS Built)
46.	Are pipe and connections leak tight and have they been leak tested? (NFPA 59 2004 7.1.7) In 2001 pressure tests were performed on all piping systems. All piping is the same as when the pressure test was performed in 2001. Test records were reviewed and verified 2001 (Kuang C).
47.	Is the piping connection to the container for sizes over 2 inches made by welding or with welded flanges? (NFPA 59 2004 7.1.2) Everything above 2-inch is welded. Field verified the area around the vaporizer and header piping and branch piping to the tanks.
48.	Are cast-iron valves in use that carry LP gas? (NFPA 59 2004 7.1.3)N/A No cast-iron on site

49.	or of gask	gaskets used to retain LP-Gas in flanged connection in piping made of metal ther suitable material with melting point over 1500 degrees F? Are the kets replaced whenever the flange is opened? (NFPA 59 2004 6.3.3.5, 7.1.6) M 24.1.2 Yes, Metal gaskets, every gasket is a metal gasket designed to withstand 0 degrees F.
		VARORIZERO LIEAT EVOLIANOERO, AND OAG AIR MIVINO
50.	۸ro	VAPORIZERS, HEAT EXCHANGERS, AND GAS-AIR MIXING
50.		vaporizers designed and constructed in accordance with the ASME Code marked as follows: (NFPA 59 2004 9.3.3)
	a.	Outside surface area in square feet1748 square feet (Unit is 16 ft long.)
	b.	Area of the heat exchange surface in square feet1748 square feet
	C.	Maximum vaporizing capacity in gallons per hour9200 gallons per hour
	d.	Rated heat input in Btu/h10.5 mmbtu/hour 10.5 million-btu/hour
	e.	Name or symbol of the manufacturerSam Dick's Industries's
51.	Is th	e vaporizer:
	lı	ndirect vaporizer
		Direct-fired vaporizer
	\boxtimes V	Vater bath
52.		ere a manual gas burner valve? (NFPA 59 2004 9.5.2.3) Yes, There is a main valve that shuts off the gas supply to the burners.
53.	abov 2004	ere a limit control to prevent the heater from raising the product pressure ve the design pressure of the direct-fired vaporizer or container? (NFPA 59 4 9.3.6) – Vaporizers are not direct-fired.

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54.	Is there a relief valve installed to prevent raising the product pressure above design pressure of the direct-fired vaporizer OR INDIRECT OR WATER BAVAPORIZER (NFPA 59 2004 10.9.1)? Three (3) relief valves set at 375 PSIG; MAOP of vaporizers is 400 PS	TH
	RELIEF DEVICES	
55.	Is the relief device marked with (NFPA 59 2004 10.1.3):	
	 a. pressure (in psig) at which the device is set to start to discharge 250 PSIG FOR THE TANK RELIEF VALVES. 	
	b. Actual rate of discharge in cu ft per min of air at 60°F and 14.7 psiaEach relief valve rating is 9,250 CF/M. Rego Multiport A8570 ra of 27,750 CFM.	ting
	c. Manufacturer's name Rego	
	d. Catalog number3149MG	
56.	Is the relief device connected to the vapor space of the container? (NFPA 5 2004 10.2.10(3)) Yes, multi-port to the vapor space nozzle of the tank	59
57.	Are there any restrictions or valves in the relief device discharge vents? (N 59 2004 10.3.2, 10.6.2) No, weather caps are installed on all reliefs.	FPA
58.	Are discharge vents from the relief valves installed in such a manner: (NFP 2004 10.6.1) Visually looked at rain caps.	A 59
	⊠ Be protected against mechanical damage	
	☐ Have rain caps or other devise to exclude moisture	
59.	Are discharge vents from the relief valves or common discharge headers shinstalled in such a manner as to discharge in an area that will: (NFPA 59 20 10.6.2 (1), (2), (3))	

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	Prevent possible flame impingement on containers, piping, equipment, and structures.
	□ Prevent possible vapor entry into enclose spaces
	⊠ Be above the heads of personnel who can be n the container or adjacent containers, stairs, platforms, or ground
	□ Be above the possible water levels, if from underground containers where there is a possibility of flooding.
60.	Have relief devices been tested for proper operation at intervals not exceeding five years? (NFPA 59 2004 10.1.4) [O&M 35.2] Yes, Relief Valves 3149MG are sent back to manufacturer and the manf exchanges the cores. Valves cores are tested every 5 years.
	<u>HANDLING</u>
Trans	sfer Of Liquids Within A Utility Plant
61.	Are transfer personnel familiar with the properties of the material and instructed in transfer and emergency procedures? (NFPA 29 2004 11.2.1.3) [O&M 22.0, 23.0, 18 Appedix B Training, EOP 2.2.1, 2.3, 3A, 3.1.1.3]
62.	Is at least one competent person in attendance during the entire period of transfer is from the time connections are made until the transfer is completed, shutoff valves are closed, and lines are disconnected? NFPA 59 7-1.3 Note: Define competent person _(NFPA 29 2004 11.2.1.3) [O&M 4.3, 18.1, 18.2, 18.3; EOP 5.2.2]
<u> Trans</u>	sfer Procedures
63. <mark>Truck</mark>	Does the operator have for each facility procedures for: [Chapter 40 of O&M and Unload Section 18]
	∀erification of connections to ensure proper delivery of gas
	□ Tightness of connections
	□ Purging procedures (NFPA 59 2004 12.4)

64.	Are provisions implemented to prevent moving of tank vehicles during transfer? (NFPA 2004 11.2.4.3) [O&M 4.3, 18.1.2]
	OPERATIONS (CP NFPA 59 5.4.3)
65.	Does each facility have a written operating procedures manual covering (NFPA 59 2004 11.1.1)
	Yes, [O&M Section 19, 3.0, 4.0, 9.0, 9.2, 10.2, EOP §1.0, 4.1.1]
	Startup
	Shut down
	□ Operations
	Actions to be taken if flammable concentrations of liquids or gases are detected (NFPA 59 2004 11.1.2) using fixed detectors, portable detectors, operating malfunctions, and human senses. [O&M Section §3.9 page 11, O&M §5.3]
	□ Purging and inerting equipment [O&M Chapter 40 & 34]
	☐ Refrigerated liquid (if applicable)
66.	Does each utility gas plant have first-aid materials on hand in sufficient quantity to handle a reasonably anticipated emergency? (NFPA 59 2004 13.7.2) Yes, two (2) First Aid kits including Burn materials in appropriate locations.
67.	Are records of all operating log sheets and recorded data retained for at least 5 years? (NFPA 59 2004 11.3.2)NO, no propane air injection into 192 side of system since 2010, Reviewed test runs for 2007-2009.
	<u>MAINTENANCE</u>
68.	Are maintenance manuals for all equipment available to maintenance personnel? (NFPA 59 2004 11.3.2) Note: Unattended facilities shall be permitted to be stored at a location where they will be accessible for maintenance personnel servicing the unattended location Yes, Maintenance manuals are available in operating room.

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69.		ne maintenance manuals include the following: (NFPA 59 2004 12.1.3, 1-4) Yes, reviewed maintenance.
	\boxtimes D	rawings, procedures, and parts lists
	⊠P	reventative maintenance procedures and schedules (NFPA 59 2004 12.2)
	\boxtimes R	outine inspections to be performed
	\boxtimes C	orrosion inspection and corrosion control procedures
	\boxtimes M	aintenance of fire protection equipment (NFPA 59 2004 12.2)
70.	Is each auxiliary power source tested at least monthly to verify its operational capacity? (NFPA 59 2004 12.3) Tested Auxiliary Generator Hours 20.1-23.4 during the test on 9/26/2013.	
71.	Is all equipment containing flammable or hazardous materials purged in accordance with NFPA 59 2004 prior to beginning maintenance procedures? (NFPA 59 2004 11.1.4*, 12.4) Yes, Reviewed Purging Procedure [O&M 34.2]	
72.	Are records of all maintenance log sheets of process equipment maintained for the life of the equipment, while in use, and for 3 years thereafter? (NFPA 59 2004 12.5.1, 12.5.2) All records of maintenance are in the maintenance database. Also reviewed log sheets 2007-2009 for 5 year retention.	
		FIRE PROTECTION, SAFETY, AND SECURITY
73.		a plan for fire fighting been developed? Yes, EOP and City of Renton Fire Department.
	a.	Does it address: (NFPA 59 2004 13.1.1*)Yes, [EOP p. 59]
	b.	Does it address water supply per (NFPA 59 2004 13.4.1) and Portable or wheeled extinguishers available at strategic locations NFPA 59 2004 13.5.1) Yes, [O&M 27.6, 31.1.2, 31.3, 33.5] [EOP 2.6]
		Note: The evaluation must be based on the type, quantity, and size of storage containers; an analysis of local conditions; hazards within the facility; and exposure to and from

other property. The evaluation shall consider: local agency response times; type,

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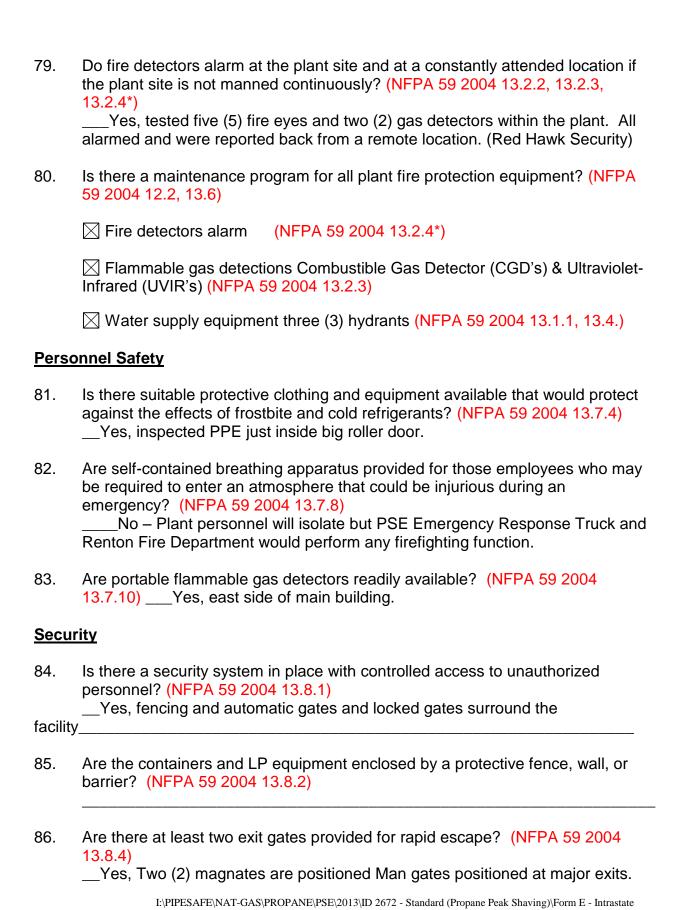
quantity, and location of equipment needed for the detection and control of potential nonprocess and electrical fire; protection of equipment and structures; fire protection water systems; fire extinguishers; automatic shutdown equipment; availability of plant personnel; and protective equipment and special training by individuals for emergencies. See NFPA 59 2004 13.1.1* for details requirements.

74.	Has a detailed emergency procedures manual been prepared and include (NFPA 59 2004 13.1.3(A)): [EOP Section 2.6.1]
	Shutdown or isolation of equipment to ensure that the escape of gas or liquid is promptly cut off or reduced as much as possible
	□ Use of fire protection [EOP §2.6.2 - 2.6.6]
	Notification of public authorities [EOP §4.9]
	First aid [PSE Safety Manual §2-17 Sixth Edition (The "Yellow Book")]
	□ Duties of personnel [EOP §5.3.2]
75.	Has the emergency procedures manual been reviewed and updated at least annually? (NFPA 59 2004 13.1.3(C) Yes, manual is updated annually. 2010-2012
76.	Is the manual kept readily available in the operating control room or at a constantly attended location (if the plant site is not continually manned)? (NFPA 59 2004 13.1.3(B) Yes, Emergency Operating Plan (EOP) is posted on the bulletin board, reviewed the procedure that was posted (PSESWARR EOP 12-01, Effective
	on: 10/01/2012).
77.	Has firefighting plan been reviewed with the local emergency response personnel (Fire & Police)? Yes, EOP and City of Renton Fire Department. (see 73 above)
Fire a	nd leak detection
78.	Are flammable gas detections systems used at a constantly attended location?

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If not continuously monitored, will the alarm detect at not more than 25% LEL (0.525% gas in

air) in accordance with (NFPA 59 2004 6.5.9.2, 13.2.2, 13.2.3, 13.2.4*)



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87.	Is there lighting in the vicinity of protective enclosures to promote security? (NFPA 59 2004 4.6, 13.8.6) _Yes, lighting appears to be adequate.		
Opera	ation a	nd Maintenance 49 CFR 192 & WAC 480-93	
88.	Procedures available for Valve maintenance? (192.747)Yes, PSE O&M §32		
89.	Have valves which might be required during an emergency been checked an serviced at intervals not exceeding 15 months, but at least once each calend year?		
	Field verified valve operations with Don B, checked the HV 104 liquid valve on tanks 7,8,11, 14, 27, 32.		
90.		dures for Leakage Surveys? (192.723 WAC 480-93-186, WAC 480-93-187 C 480-93-188)	
		Survey & Analysis (S&A) do leak surveys annually, checked records and technicians.	
	a.	Have business district been identified?N/A – no business districts in plant site.	
	b.	Have gas detector surveys been conducted in the business districts at intervals not exceeding 15 months, but at least once each calendar year? N/A – no business districts in plant site.	
	C.	Have leakage surveys of the distribution system outside of the principal business areas been conducted as frequently as necessary, but at intervals not exceeding 5 years? N/A – no business districts in plant site.	
	d.	Has the operator provided for calibration (propane) and maintenance of leak detection instruments? Yes, Reviewed S&A instruments calibration and OQ certifications.	
	e.	Have leakage surveys of cast iron, wrought iron, ductile iron, or non-cathodically protected steel pipe been conducted at intervals not exceeding eight months, but at least twice each calendar year? N/A - No, above conditions do not occur on plant site. All pipeline is cathodically protected (CP) and reviewed records	
91.	Procedures for Leak Repairs? (192.703 & WAC 480-93-18601)Yes, See GOS 2675.1200		

87.

	a.	Have leaks been classified Grade 1, Grade 2 or Grade 3? Yes, they grade leaks by GOS 2675.1200 which pertains to Propane leaks, PSE uses a Grade A-C classification that parallels Grades 1-3.
	b.	Have Grade 1 leaks been repaired or eliminated or continuous action taken as required? (Class A)N/A – No class A leaks at plant site.
	C.	Have Grade 2 leaks been repaired or cleared within 15 or 21 months?Yes, Grade 2 (B) leaks are repaired within 15 months
	d.	Have Grade 2 leaks been reevaluated at least once every 6 months? Grade 2 (B2) leaks are revaluated every 6 months, repaired within 15 months.
	e.	Have Grade 3 leaks been reevaluated within 15 months?Yes, Grade 3 (C) leaks evaluated within 12 months.
92.	Has the Maximum Allowable Operating Pressure (MAOP) been estine 49 CFR 192 defined pipeline? (192.619, 192.621, 192.623 & 183) MAOP is 250 downstream of station exit valve.	
93.	Proce	dures for Inspecting and Testing Regulating Stations? (192.739743)N/A This does not apply to Propane Air Plants.
	a.	Have regulating stations been inspected at intervals not exceeding 15 months, but at least once each calendar year? N/A - This does not apply to Propane Air Plants.
	b.	In good mechanical condition? N/A This does not apply to Propane Air Plants.
	C.	Adequate from the standpoint of capacity and reliability of operation? N/A This does not apply to Propane Air Plants.
	d.	Set to function at the correct pressure? N/A This does not apply to Propane Air Plants.
	e.	Properly installed and protected from dirt, liquids or other conditions that might prevent proper operation?N/A This does not apply to Propane Air Plants.

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94.	Procedures for Testing Relief Valves? (192.743) N/A - This does not apply to Propane Air Plants.		
	a.	Have relief devices (RV) been tested at intervals not exceeding 15 months, but at least once each calendar year? N/A This does not apply to Propane Air Plants.	
	b.	Have RV sufficient capacity? N/A This does not apply to Propane Air Plants.	
	C.	Have RV been set at the proper set point? N/A This does not apply to Propane Air Plants.	
95.	Telemetering or Recording Gauges (192.741) N/A This does not apply to Propane Air Plants.		
	a.	Is there a pipeline system supplied by more than one district regulating station? N/A - This does not apply to Propane Air Plants.	
	b.	Are there telemetering or recording gauges installed? N/A - This does not apply to Propane Air Plants.	
	C.	Are there any indications of abnormally high or low pressure? N/A - This does not apply to Propane Air Plants.	
	d.	Are unsatisfactory operating conditions being corrected? N/A - This does not apply to Propane Air Plants.	
96.	Procedures for Damage Prevention (192.614, WAC 480-93-190 & RCW Title 19.122) Yes, see company PSE Damage prevention Program.		
	a.	Written damage prevention program available? Yes, see company PSE Damage prevention Program	
	b.	Member of a one-call system? Yes, see company Damage prevention Program	
	C.	Does the operator have available a current list of Excavators? Yes, see company Damage prevention Program	
	d.	Provide notification concerning the program to the public and excavators? Yes, see company Damage prevention Program	

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	e.	Provide means for receiving and recording notification of pending excavations? Yes, see company Damage Prevention Program
	f.	Provide for markings within two business days? Yes, see company Damage Prevention Program
	g.	Provide for follow up inspections of the pipeline where there is reason to believe the pipeline could be damaged? Yes, see company Damage Prevention Program
97.	Does the operator have a comprehensive public education program, that includes customers, the public, appropriate government and excavators, that	

Yes, see PSE Public Awareness Program. Reviewed SWARR Station

Comments – Form E, rev 8-29-02. For Corrosion they showed me the CP readings and the readings taken from the two rectifiers that affect this station. For 2010, 2011 & 2012. For the acceptance criteria for this facility they use the 100 mv shift. Rectifiers are inspected for proper operation every two months and CP sites are checked for CP protection every year.

teaches them how to recognize and report a gas pipeline emergency? (192.616)

Reviewed atmospheric corrosion during field inspection and reviewed atmospheric inspections for 2008 & 2011 (every 3 years).

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